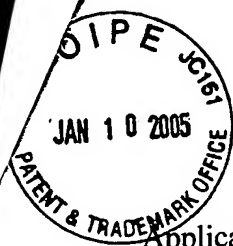


DT07 Rec'd PTO 10 JAN 2005 *PCX*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Application of

Applicant(s) : Kuerzinger et al.
Serial No. : 10/506,862
Filed : September 2, 2004
Title : Modified oxidic nanoparticle with hydrophobic
inclusions and process for producing same
Docket : WP 21590 US
Art Unit : TBD

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

5 January 2005

Date of Deposit

Brian L. Smiler

Name of Person Mailing Correspondence

[Signature]
Signature

5 January 2005

Date of Signature

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§1.56, 1.97 & 1.98

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 CFR §1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 CFR §1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 CFR §1.97(h), constitute an admission that any patent, publication, or other information referred to is, or is considered to be, material to the patentability of this invention. No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§102 & 103, and Applicants reserve the right, pursuant to 37 CFR §1.131 or otherwise, to establish otherwise. Further, pursuant to 37 CFR §1.97(g), the filing of this Statement should not be construed as a statement that a search has been made or that no other material information exists.

This Information Disclosure Statement is being filed within the period set forth in 37 CFR §1.97(b) because it is believed to be filed before the mailing date of a first office action on the merits.

Serial No. 10/506,862
Docket No. WP 21590 US

The Office has waived the requirement pursuant to 37 CFR §1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC §371 after June 30, 2003. Therefore, no copies of each cited U.S. patent and each cited U.S. patent application publication are enclosed, but the cited U.S. patents and the cited U.S. patent application publications are listed on PTO/SB/08A. Also enclosed is a copy of the PCT International Search Report. Copies of the English language abstracts are accompanied with each non-English language reference in order to meet the non-English language requirement for a concise explanation of relevance.

No additional fees are believed to be necessary, however, should any fees be deemed required, the Commissioner is authorized to charge such fees to Deposit Account 02-2958, but is not to include any payment of issue fees.

Respectfully submitted,

ROCHE DIAGNOSTICS OPERATIONS, INC.

Date: 5 January 2005

By



Brian L. Smiler

Registration No. 46,458

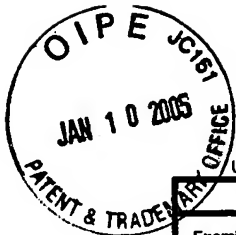
9115 Hague Road

Indianapolis, IN 46250-0416

Telephone: (317) 521-3295

Facsimile: (317) 521-2883

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**



OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	†²
		VanBlaaderen, A., Vrij, A. "Synthesis and Characterization of Monodisperse Colloidal Organo-silica Spheres", Journal of Colloid and Interface Science 156, 1-18 (1993)	
		Schwert, R., "Hybride Nanopartikel für bioanalytische Anwendungen", Dissertation (Bamberg) 2000	
		VanBlaaderen, A., Vrij, A., "Synthesis and Characterization of Colloidal Model Particles Made from Organoalkoxysilanes", Adv. Chem. Ser. 234 (1994) 83-111	
		Horn, D., Rieger, J., "Organische Nanopartikel in wässriger Phase – Theorie, Experiment und Anwendung", Angew. Chem. 2001, 113, 4460-4492	
		Kron, J., et al. "Funktionelle Schichten Adhäsive und antiadhäsive Oberflächen", 2. Worlitzer Workshop, Tagungband 2000	
		Nyffenegger, R., Quellet, C., Ricka, J., "Synthesis of Fluorescent, Monodisperse, Colloidal Silica Particles", Journal of Colloid and Interface Science 159, 150-157 (1993)	
		Harris, M.T., Brunson, R.R., Byers, C.H., "The Base-Catalyzed Hydrolysis and Condensation Reactions of Dilute and Concentrated Teos Solutions", Journal of Non-Crystalline Solids 121 (1990) 397-403	
		Matsoukas, T., Gulari, E., "Dynamics of Growth of Silica Particles from Ammonia-Catalyzed Hydrolysis of Tetra-ethyl-orthosilicate", Journal of Colloid and Interface Science, Vol. 124, No. 1, July 1988, pp 252-261	
		Fendler, J.H., "Nanoparticles and Nanostructured Films", Wiley-VCH, Weinheim 1998, 180-183	
		Charles, R.G., Riedel, E.P., "Fluorescent Europium Chelates Derived From Fluorinated β -Diketones", J. inorg. Nucl. Chem., 1967, Vol. 29, pp. 715-723.	
		Van Helden, A.K., Jansen, J.W., Vrij, A., "Preparation and Characterization of Spherical Monodisperse Silica Dispersions in Nonaqueous Solvents", Journal of Colloid and Interface Science, Vol. 81, No. 2, June 1981, pp. 354-368	
		Giesche, H., Matijević, E., "Well-Defined Pigments: I. Monodispersed Silica-Acid Dyes Systems", Dyes and Pigments 17 (1991) 323-340	
		Verhaegh, N.A.M., Van Blaaderen, A., "Dispersions of Rhodamine-Labeled Silica Spheres: Synthesis, Characterization, and Fluorescence Confocal Scanning Laser Microscopy", Langmuir 1994, 10, 1427-1438	
		Byers, C.H., Harris, M.T., Williams, D.F., "Controlled Microcrystalline Growth Studies by Dynamic Laser-Light-Scattering Methods", Ind. Eng. Chem. Res. 1987, 26, 1916-1923	
		Giesche, H., "Synthesis of Monodispersed Silica Powders I. Particle Properties and Reaction Kinetics", Journal of the European Ceramic Society 14, (1994) 189-204	
		VanBlaaderen, A., Vrij, A., "Synthesis and Characterization of Colloidal Dispersions of Fluorescent, Monodisperse Silica Spheres", Langmuir 1992, 8, 2921-2931	
		Philipse, A.P., Vrij, A., "Preparation and Properties of Nonaqueous Model Dispersions of Chemically Modified, Charged Silica Spheres", Journal of Colloid and Interface Science, Vol. 128, No. 1, March 1, 1989	
		Stöber, W., Fink, A., "Controlled Growth of Monodisperse Silica Spheres in the Micron Size Range", Journal of Colloid and Interface Science 26, 62-69 (1968)	
		Reisfeld, R., Zelter, M., Patra, A., "Fluorescence study of zirconia films doped by Eu^{3+} , Tb^{3+} , and Sm^{3+} and their comparison with silica films", Journal of Alloys and Compounds, 300-301 (2000) 147-151	
		Matsoukas, T., Gulari, E., "Monomer-Addition Growth with a Slow Initiation Step: A Growth Model for Silica Particles from Alkoxides", Journal of Colloid and Interface Science, Vol. 132, No. 1, October 1, 1989	
		Shibata, S., Taniguchi, T., Yano, T., Yamane, M., "Formation of Water-Soluble Dye-Doped Silica Particles", Journal of Sol-Gel Science and Technology 10, 263-268 (1997)	
		Badley, R.D., Ford, W.T., McEnroe, F.J., Assink, R.A., "Surface Modification of Colloidal Silica", Langmuir 1990, 6, 792-801	
		Kawaguchi, H., "Functional polymer microspheres", Prog. Polym. Sci. 25 (2000) 1171-1210	

Examiner Signature	Date Considered
--------------------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.